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PATENT APPLICATION  
Docket No: 11675.102.2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
Walker, et al. )  
Serial No.: 10/721,147 ) Art Unit  
Confirmation No.: 6315 ) 2814  
Filed: November 25, 2003 )  
For: SACRIFICIAL SELF-ALIGNED )  
INTERCONNECT STRUCTURE AND )  
METHOD OF MAKING )

TRANSMITTAL FOR INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing and pursuant to 37 C.F.R. § 1.97 is an Information Disclosure Statement, which includes the following statements, if any, required variously by 37 C.F.R. § 1.98:

- \_\_\_ Statement of relevance of selected cited references not in the English language which are not translated.
- \_\_\_ Statement that selected cited references are substantially cumulative of an enclosed or previously submitted reference.
- \_\_\_ Statement that selected cited references were previously cited by or submitted to the United States Patent and Trademark Office in a prior application which is relied upon for an earlier filing date under 35 U.S.C. § 120.

A. Additional Materials Required Due to Content of Information Disclosure Statement

Transmitted are the following documents in addition to the Information Disclosure Statement as required variously under 37 C.F.R. § 1.98:

☒ Form PTO-1449 listing 15 references submitted for consideration.

☒ Copies of all 15 of the references listed on the Form PTO-1449.

\_\_\_ Copies of the following documents from the prosecution of a previous, related application:

\_\_\_ Form PTO-1449 AND INFORMATION DISCLOSURE STATEMENT;  
and

\_\_\_ Form PTO-892

B. Additional Materials Required Due to Timing of Filing of Information Disclosure Statement

The transmitted Information Disclosure Statement is being filed within one (1) of the following four (4) time periods:

I. ☒ Prior to the later of either three (3) months following the filing date or the mailing of a first Office Action. Accordingly, no materials other than those listed above are enclosed.

II. \_\_\_ Following the latter of either three (3) months following the filing date or the mailing of a first Office Action, but before the mailing of a final Office Action or a Notice of Allowance. Accordingly, to secure consideration thereof, one (1) of the following is also enclosed:

\_\_\_ Promptness Certification; or

\_\_\_ Check No. \_\_\_\_\_ in the amount of \$180.00 constituting the submission fee set forth in 37 C.F.R. § 1.17(p).

III. \_\_\_ After the mailing of a Notice of Allowance, but before payment of the Issue Fee. Accordingly, in order to secure consideration thereof, each of the following are also enclosed:

\_\_\_ Promptness Certificate;

\_\_\_ Petition for Consideration; and

- \_\_\_ Check No. in the amount of \$ \_\_\_ constituting the petition fee set forth in 37 C.F.R. § 1.17(i)(1).
- IV. \_\_\_ After payment of the Issue Fee. Accordingly, in order to secure consideration thereof, each of the following are also enclosed:
- \_\_\_ Petition to Withdraw from Issue; and
- \_\_\_ Check No. \_\_\_ in the amount of \$ \_\_\_ constituting the petition fee set forth in 37 C.F.R. § 1.17(i)(1).

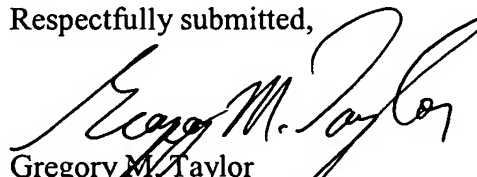
C. Fees

The Commissioner is hereby authorized to charge payment of or any deficiency in the following fees associated with this communication, or to credit any overpayment thereof, to Deposit Account No. 23-3178. A duplicate copy of this letter is enclosed.

- X Any fee required in relation to filing of this letter or any documents transmitted therewith.
- \_\_\_ The submission fee set forth in 37 C.F.R. § 1.17(p) in the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that any Promptness Certificate submitted meets the requirements of 37 C.F.R. § 1.97(e).
- \_\_\_ The submission fee set forth in 37 C.F.R. § 1.17(p).
- \_\_\_ The petition fee set forth in 37 C.F.R. § 1.17(i)(1).

Dated this 14<sup>th</sup> day of July 2004.

Respectfully submitted,



Gregory M. Taylor  
Attorney for Applicants  
Registration No. 34,263  
Customer No. 022901  
Telephone No. (801) 533-9800



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	INTERCONNECT STRUCTURE AND	)
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INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97

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Commissioner for Patents  
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Sir:

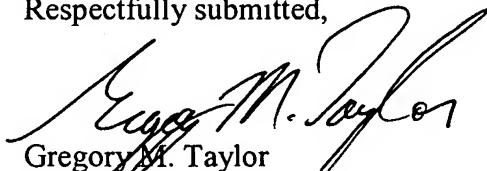
Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

DATED this 14<sup>th</sup> day of July 2004.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Gregory M. Taylor", is written over the typed name.

Gregory M. Taylor  
Attorney for Applicants  
Registration No. 34,263  
Customer No. 022901  
Telephone No. (801) 533-9800

GMT: gpm  
GPM000000062V001

PTO-1449

Sheet 1 of 2

Applicant:

Walker, et al.

Serial No.:

10/721,147

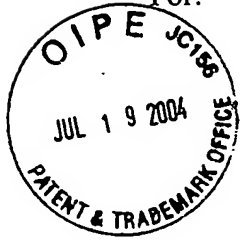
Att'y Docket No.: 11675.102.2

Filing Date:

November 25, 2003

Art Unit: 2814

For:

SACRIFICIAL SELF-ALIGNED INTERCONNECT  
STRUCTURE AND METHOD OF MAKINGINFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
___ 1	4,855,952	08/08/89	Kiyosumi
___ 2	5,077,688	12/31/91	Kumanoya, et al.
___ 3	5,120,677	06/09/92	Wakamatsu
___ 4	5,286,344	02/15/94	Blalock, et al.
___ 5	5,343,354	08/30/94	Lee, et al.
___ 6	5,389,559	02/14/95	Hsieh, et al.
___ 7	5,395,786	03/07/95	Hsu, et al.
___ 8	5,429,978	07/04/95	Lu, et al.
___ 9	5,594,682	01/14/97	Lu, et al.
___ 10	5,763,931	06/09/98	Sygiyama
___ 11	5,795,804	08/18/98	Jenq
___ 12	5,811,283	09/22/98	Sun
___ 13	5,827,765	10/27/98	Stengl, et al.
___ 14	5,981,330	11/09/99	Jenq

Examiner:

Date Considered:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Walker, et al.

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Att'y Docket No.: 11675.102.2

Filing Date: November 25, 2003

Art Unit: 2814

For: SACRIFICIAL SELF-ALIGNED INTERCONNECT  
STRUCTURE AND METHOD OF MAKINGOTHER DOCUMENTS

\_\_\_\_\_ 15 Nesbit et al., "A 0.6 um<sup>2</sup> 256 Mb Trench DRAM Cell With Self-Aligned BuriEd  
STrap (BEST)", IEDM 93-627, pp. 26.2.1-26.2.4, 0-7803-1450-6 1993 IEEE

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

GPM0000000059V001

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Examiner:

Date Considered:

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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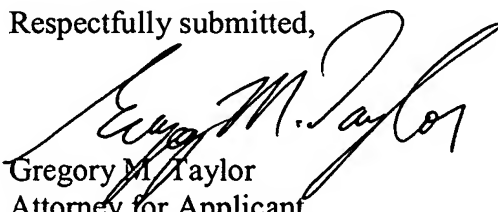
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CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that the following documents are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 14<sup>th</sup> day of July, 2004:

- Transmittal for Information Disclosure Statement
- Information Disclosure Statement
- Form PTO-1449
- Copies of 15 references
- Postcard

Respectfully submitted,

  
Gregory M. Taylor  
Attorney for Applicant  
Registration No. 34,263  
Customer No. 022901  
Telephone No. (801) 533-9800